

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008850**Date Inspected:** 26-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Lv Li qing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#13

This QA Inspector observed the following work in progress:

FCAW welding of weld joint 3G-019 located on PCMK SEG048J of 8CE welder is identified as 066683. ZPMC QC is identified as Mr. Guo Xing Hui. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2233-Tc-U4b-F.

FCAW welding of weld joint 2F-079 & 3F-064 located on PCMK CSD2-PP74.5 welder is identified as 044801 & 058551.ZPMC QC is identified as Mr. Tang ya jun. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2132 & WPS-B-T-2133.

FCAW welding of weld joint 2G-106 located on PCMK CSD4-PP74 welder is identified as 058551.ZPMC QC is identified as Mr. Tang ya jun. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2232-Tc-U4b-F.

SMAW welding of repair weld joint 3G-117 located on PCMK CSD4-PP62 welder is identified as 0200432. ZPMC QC is identified as Mr.Guo Xing Hui. The welding variables recorded by QC appeared to comply

---

## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

with the WPS-345-SMAW-FCM-3F (3G) and WR6311.

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an UT report for this date. The members are identified as Deck panel diaphragm. The weld designations reviewed are as follows:

Segment 7AE

SSD19-PP48-04,05.

SSD19-PP49-04,05.

Segment 6AE

SSD15A-PP37-03,04.

SSD16A-PP38-03,04.

SSD18A-PP40-04,05.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No Relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Jim Simonis - 134-7246-3441, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

---